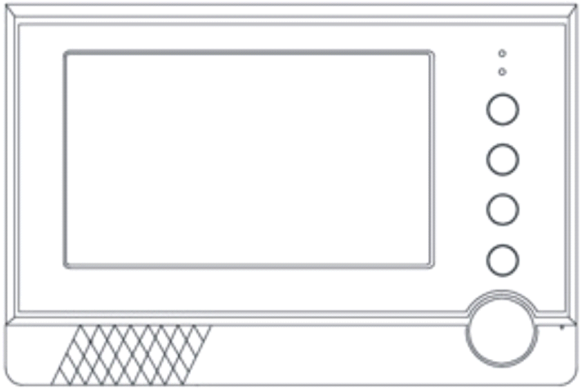
	1, 7'' LCD Indoor Monitor 2, 16 different musical chimes, all with adjustable volume. 3, IR function 4, Size:230X150X28MM 5, Power:14V,1.2A	OCC-316

	1, 1/3 CMOS Image Sensor 2, CMOS 300000 Pixel 3, 6pcs infrand LEDS 4, Wide angle 150 degree.Metal Design	OCC-212

groussos.com™

7 INCH

WIRED VIDEO DOOR PHONE



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Note: Due to ongoing product development and quality improvements, it is possible that the illustrations shown in this manual differ slightly from the actual product.

1. Introduction

This is a flexible , multifunctional, strong anti-jamming, high secrecy product .The product has a modern appearance, user-friendly design, and simple to use individual control buttons. Image is very clear and with its simple installation it is an ideal home security product which will make for a safer home environment.

It has a 7 inch TFT digital display screen and a selection of 16 different musical chimes, all with adjustable volume.

Photos taken with the outdoor camera can be viewed indoor, also have date and time on the photo that be taken. and you can monitor the outdoor scene at any time. With infrared lights, night visitors can also be recognized. Indoor unit can give outdoor unit power supply, convenient and saving energy .

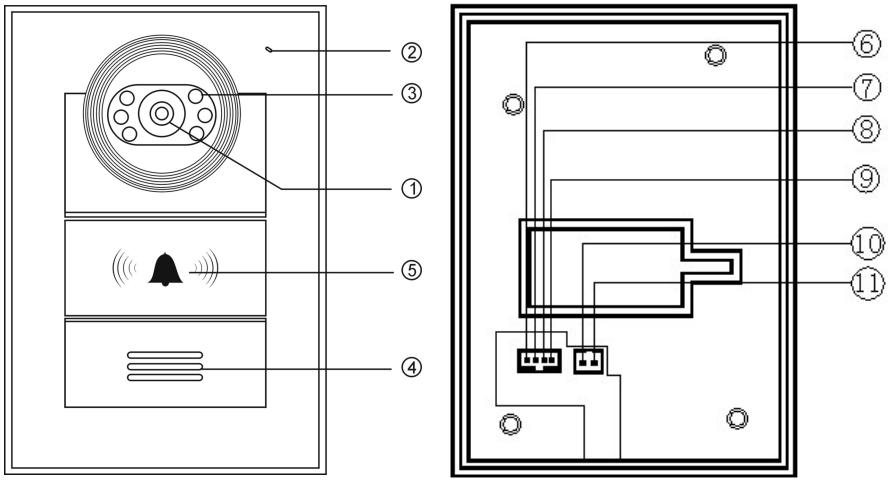
A outdoor unit can support multiple indoor unit, make you at home can be seen at the outdoor environment.

Screen Display time, and date

Pass CE and ROHS certification

Thank you for your support for our product, your satisfaction is our aim.

2. Outdoor Unit



Key components Description:

(1). Camera lens (sends caller's image to indoor unit)

(2). Microphone (sends caller's voice to indoor unit)

(3). Infrared light (enables the camera to function at night)

(4). Speaker (allows the caller to hear the home owner's voice)

(5). Call button (Used to call the home owner and turn on the camera)

(6). power cable (+)

(7). Audio cable

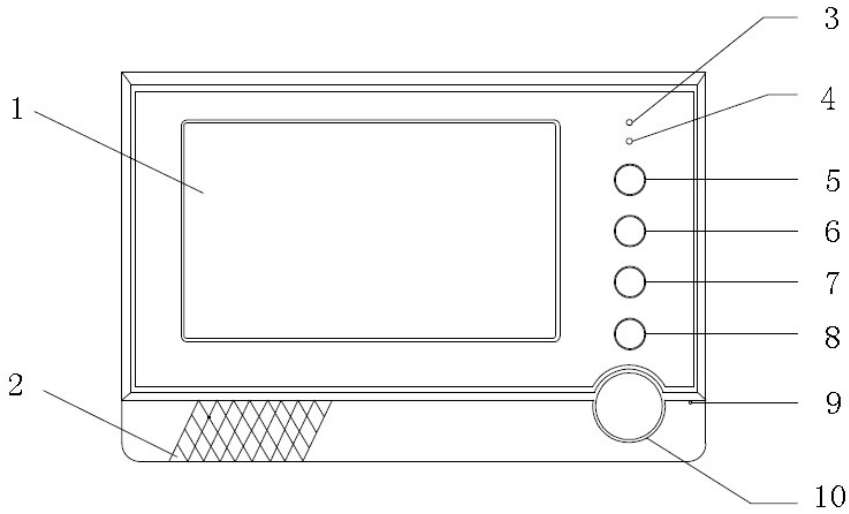
(8). GND

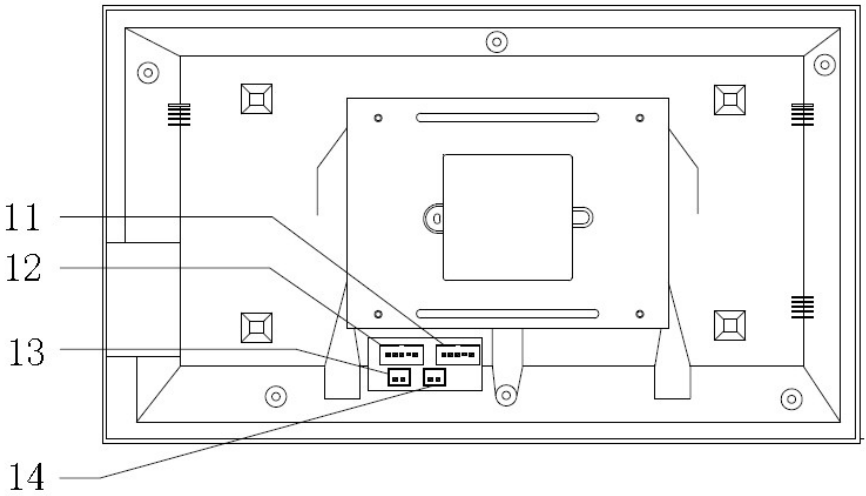
(9). video cable

(10). Lock cable(+)

(11). Lock cable (-)

3. Indoor Unit





parts and buttons description:

(1) 7 inch TFT digital display screen (Shows the image of external view and visitors)
(5) Speaker: Plays the selected musical chime and caller's voice
(6) Power indicator LED (when the power is connected the LED indicator light will keep on)
(4) work indicator LED(in display open cases, the LED light will keep on)
(5) .Adjust the brightness button（adjust the video brightness and music）
(6) .Adjust the chroma button（adjust the video chroma and volume）
(7).Monitor button: Enables monitoring the external view without a caller
(8).Unlock button: in the intercom model can open the electric lock
(9).Microphone: Sends the home owner's voice to the outdoor unit
(10).Talk button: Enables intercom with outdoor unit
(11).Outdoor unit and indoor unit connection socket.
(12).Indoor unit and indoor unit connection socket.
(13).Power connection socket.
(14).Power connection socket.

4.operating instructions

Note: the following operation must meet situation which no abnormalities and normal .

1）How to turn to sleep model?

◆ When outdoor unit call the indoor unit , press "talk button" two times into the sleep model ,or after 15 seconds automatic into sleep mode .

◆ When indoor unit in video model (no the outdoor unit call situation) press " monitor button " into sleep model , or after 90 seconds automatic into sleep mode

2）how to enter into intercom model

In sleep model ,when press call button of outdoor unit, the chime of indoor unit

sounds 15 seconds,after press the “monitor”button on the indoor unit ,then press “intercom”button,can intercom with outdoor unit(intercom time can keep 90 seconds).when talk,you can press “unlock ”button to open the door, press ‘talk “or”monitor”button ,then exit the intercom mode

3）How to monitor

If the outdoor unit didn't call, users need through the indoor unit monitoring outdoor conditions, then press "monitoring key" , can see outdoor conditions.the monitor time can keep 90 seconds ,press “monitor” again,then close monitor.

4）How to unlock

Only when in intercom mode ,it can unlock . Press "unlock button "

5）The bell selection and volume adjustment and exit.

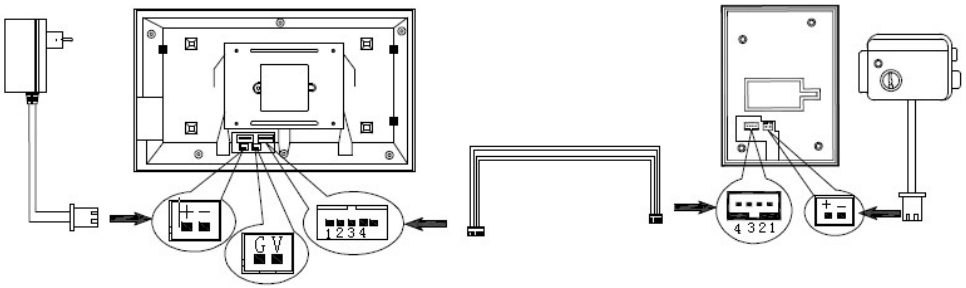
To ensure the power supply is normal :

① .When indoor unit at any mode, can press "Adjust the brightness button" （adjust the video brightness and music）to selection from 16 pcs musics, press the "talk button "exit the music choice .

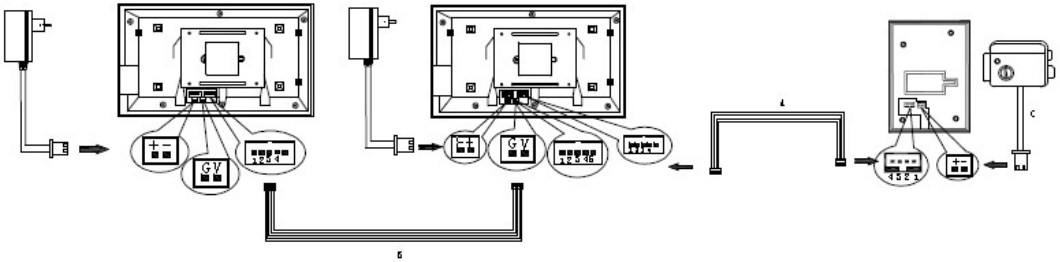
② When indoor unit at any mode, can press Adjust the chroma button（adjust the video chroma and volume) to adjust the volume , press the "talk button "exit the volume choice .

5.Wiring Diagram

1. One camera to one monitor



2.One camera to two monitor



3 *Cable Specifications*

A: cable of the maximum length for the indoor unit to outdoor unit

B: cable of the maximum length for the indoor unit to indoor unit

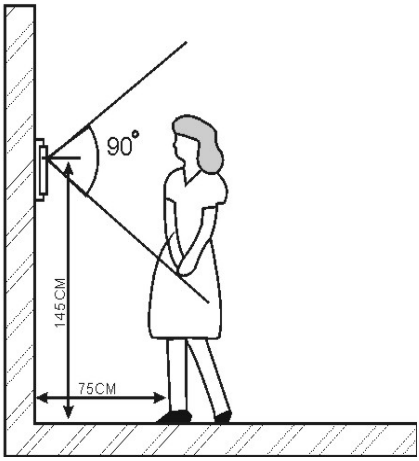
C: cable of the maximum length for the lock to outdoor unit

	0.2MM	0.5MM	1.0MM
A	30M	50M	100M
B	20M	50M	100M
C	2M	3M	5M

	Color	Cable function
1	Yellower	Video
2	Black	GND
3	Green	Audio
4	Red	Power
5	Blue	Signal

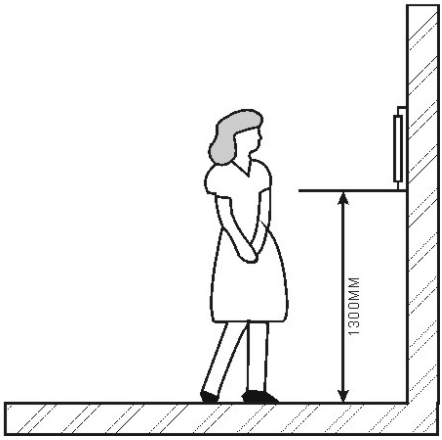
	Color	Cable function
1	Yellower	Video
2	Black	GND
3	Green	Audio
4	Red	Power

6. Intercom System Installation



Mounting Position,
Door Station

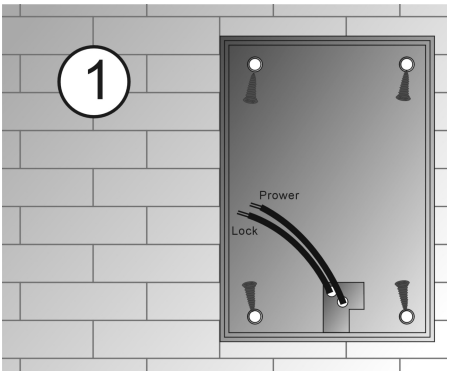
The standard height for the door station installation is 1450mm. (note: this depends on the individual's height), so the centre of the lens coincides with the line of vision. The distance between the ground level and the bottom of the door station is approximately 1300mm.The total field of
view of the door station lens is 90 degrees about the horizontal axis.The maximum distance between the caller and door station for a clear image should be less than 750mm.



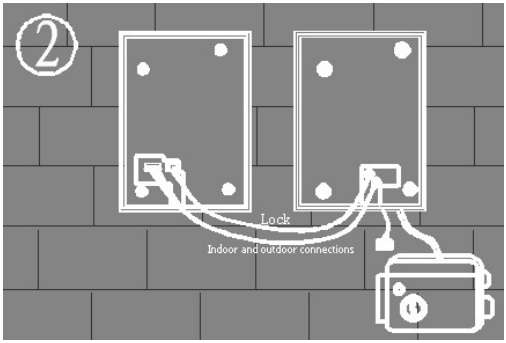
Mounting Position,
Intercom Station

The standard height for the intercom station installation is 1300mm (note: this depends on the individual's height), so the centre of the monitor coincides with the line of vision.
The distance between the ground level and the bottom of the intercom station is approximately 1300mm.

7.Camera installation



1. keep the Power cable + - and lock cable + - through the Water cycle hole, keep suitable cable enough then Fixed the 4 screw ,then install the wall mounting of monitor on the wall .

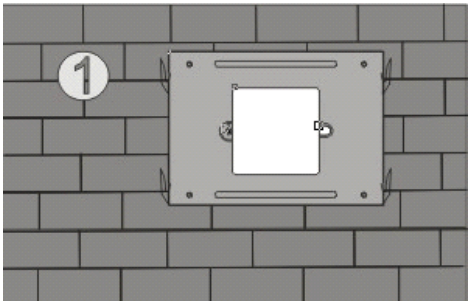


2.electric lock connect at the right end socket, the left end socket used connect indoor

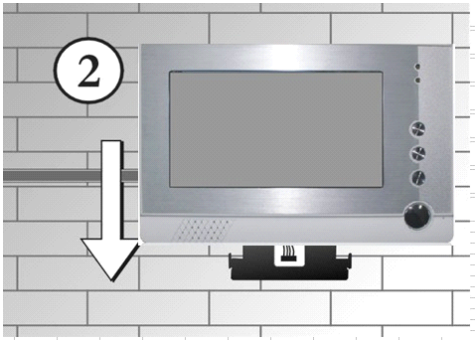
3,Make sure the cables is fixed on, then fix on the front cover .

4.Fixed on the bottom 2 screw then fixed on the 2Silicone mat

8. Monitor installation



1.Fixed the 2 screw, install the wall mounting of monitor on the wall



2.Install the monitor on the wall mounting .

3.Connect the DC adapter to the monitor'

9. Specifications

Outdoor camera		Indoor monitor	
Power	DC14V （Receive power from monitor ）	Power	Input:AC100-240V 50/60HZ Output:DC 14V/1.2A
Camera	CMOS 300,000 pixel View angle 150 degrees.	Screen	7” TFT LCD:800*480
Illumination	6pcs Infrared light	Communication Model	Handfree Communication
size	103*150*30MM	wire Connection	4-wire Connection
		Chime Melody	16Chimes
		Maximum Power Consumption	16.8W
		Dimensions	230×150 × 32mm

10.Operating conditions

① Operating temperature range：-15°C to +55°C
② Operating humidity: less than 85％, non-condensing

11. Maintenance

① Use a soft, dry cloth to wipe and dry the machine
② Switch off power to the indoor unit before cleaning
③ Difficult to remove dirt can be cleaned using a neutral detergent with a soft towel before drying with a soft dry cloth
④ Do not use benzene, thinner or other organic solvents such as gasoline to clean. These solvents may damage the machine casing or the surface and may discolor the buttons

12. Warnings

1. The machine should be installed in a solid, well-ventilated, dry environment away from direct sunlight, strong magnetic field and dust
2. Do not use chemicals to clean the surface, you should use a clean, dry soft cloth to wipe
3. Avoid pressing several keys together
4. Only use products with these units that have been produced by our factory. Other products may not be compatible and may not work correctly.
5. Do not disassemble the machine without authorization. If there is a fault that needs repair, please contact your dealer.

6. Do not install or make any wire adjustment while power supply is plugged in. It can cause electrical shock or damage to the unit.
7. Do not manually hold down hook switch to verify chime volume. It could cause loud feedback in the handset and can lead to hearing damage.
8. Do not mount the monitor where it could be bumped, hit, or easily jolted.
9. In the case of electrical storms, unplug power supply from AC outlet. It can cause fire, electrical shock, or power surge.
10. Do not install components in any of the following locations, as it may cause the system to malfunction:
- High or extreme cold temperature area: under direct sunlight, near equipment that varies in temperature, in front of air conditioner.
- Places subject to moisture or humidity extremes, such as bathroom, cellar, greenhouse, etc.
- Places subject to environmental conditions, such as oil, dust, salts, chemicals, etc.
- Places subject to constant vibration or impact.
- Places where noise generating devices, such as close to TV or radio equipment.
11. Monitor is designed for indoor use only. Do not install outdoors.
12. Keep the equipment dry. If water should get in, wipe off immediately. Water contains minerals that can erode electronic circuits.
13. Intercom system is not operational during a power failure.
14. Intercom system may be affected by radio frequency interference or EMI (Electromagnetic Interference) in areas where broadcasting station antennas are close by

13. Parts

□ Monitor □ Camera
□ 14V/1.2A power (monitor) □ User manual
□ Cable (standard configuration 1M)

Note: Electronic lock is not included

14. Technical Support

① Please read this user's manual carefully before installation and use. Save this manual for future reference.

② Please use and install in strict accordance with the user's manual. If you meet any problems in the installation process, please call us for technical support and consulting services.

15.【Notes】

(1) Our Company is committed to reform and innovation, and reserves the right to make changes and improvements without further notice. Illustrations in this manual are for reference only.

(2) All warranty and liability is void should you or your dealer open the unit without authorization or remove/deface the product labeling

(3) Please ensure you carefully record and keep the Serial Number label on the machine. It is the only means of identifying your product.

(4) Warranty: For one year from purchasing this product, we promise to provide you with free maintenance and technical support. This excludes damage during installation, unauthorized tampering and willful damage.

(5) Warranty periods different from this cannot be support by the manufacturer